



Revision number: 1

Purchasing Agent: EULA NEEL

**Item: TEN WHEEL, CAB & CHASSIS TRUCKS (58,000 GVW) NEW**

Vendor: 91491C D STERLING TRUCKS OF UTAH  
2167 SOUTH 5370 WEST  
SALT LAKE CITY UT 84120

Internet Homepage: [www.wvtc.com](http://www.wvtc.com)

Telephone: 801-886-4700

Fax number: 801-886-4710

Contact: BOB TIBBITTS

Email address: [btibbitts@etruckcenter.com](mailto:btibbitts@etruckcenter.com)

Brand/trade name: Sterling Model LT9500 Series \*

Price: SEE ATTACHED LIST

Terms: Net 10 Days

Effective dates: 02/27/2002 through 02/26/2005

Days required for delivery: 100 days to Pilot Review, 60-90 days after to completion

Price guarantee period: 1 year w/2.4% increase per year

Minimum order: 30

Min shipment without charges:

Other conditions:

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REVISION #1: PLEASE NOTE CHANGES TO CONTRACT. (\*)

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Bid # EN2907

VENDOR IS REQUIRED TO FURNISH EULA NEEL, STATE PURCHASING, USAGE REPORTS ANNUALLY. PLEASE REPORT TOTAL DOLLAR FIGURE BY EACH SEPARATE STATE AGENCY.

This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor (creating a PG in Finet) and make payments for the same on a PV referencing the original PG. Agencies will return to the vendor any invoice which reflects incorrect pricing.



1- New ten wheel cab & chassis trucks 58,000 GVW, diesel engine, tandem drive axles, dual rear wheels.  
Detroit 60: \$62,542.00/each  
Caterpillar C-12: \$62,468.00/each  
Percent discount off retail price: 40.25%

\* Modifications to Model LT9500 Series can be made to meet city and government needs based on 40.25% discount off retail price list Version 1.5 dated 06/25/01.

#### GENERAL SPECIFICATIONS

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The trucks are to be new units of current model. The equipment is to have all standard features unless otherwise specified below. The equipment is to be delivered serviced, tested and ready to operate with correct fluids at operating levels and each unit shall be delivered with a full tank of fuel.

Equipment furnished to the State of Utah must meet current State and Federal safety regulations.

All warranty periods shall start after auxiliary equipment has been installed and trucks are put into service. Basic warranty includes agreement to allow all U.D.O.T. shops to be approved, to complete "In-house" warranty repairs, in U.D.O.T. shops. The warranty includes parts, labor reimbursement and for repetitive problems, reasonable towing or road call travel costs reimbursement.

Warranty Period: 1 year/100,000 miles

Engine Warranty Period: 5 year/150,000 miles

Transmission Warranty Period: 13 Speed Manual Transmission - 5 year/300,000 miles  
Allison 2 year unlimited miles  
Allison 5 year unlimited miles Add \$ 1600.00

Rear Axle Warranty Period: 5 year/200,000 miles M Meritor

Frame Warranty Period: 5 year/unlimited miles

Chassis other Warranty Period: Cab 5 year/unlimited miles

Oil Pan Warranty Period: 5 year/150,000 miles Cummins  
Other engine manufactures same as engine

#### DETAIL SPECIFICATIONS

##### DIMENSIONS

Cab-axle - 120 inches, BBC - 113 inches and wheelbase 184 inches.  
Truck design shall be with set back front axle. Set back front axle to be approximately 50 inches.

##### ENGINE

To have a wet sleeve, diesel engine, turbo charged, after cooled (air to air after cooler) with electronic fuel system, with speed control. Cummins N14 preferred. Gross horsepower 370 @ RPM 2100. Peak torque ft. lbs. 1450 @ RPM 1200.  
Engine weight, lbs. 2805.

##### ENGINE MOUNTING

Rear engine mounting shall allow removal of bell housing and transmission without removal of engine mounts.

**AIR FILTER**

Air filter to be heavy duty, dual element, dry type with inside/outside air selector cab controlled. Elements must be readily available through dealer and outside vendors.

**ENGINE**

Units to have spin on engine oil and fuel filters.

**ACCESSORIES**

Alternator to be 160 amp minimum Leece-Neville with "C" type regulator low turn on speed.

Batteries to be three (3), group 31's, to produce 2850 CCA minimum. Battery box to be mounted under cab right side. To have remote jump start battery terminals, located on left side under cab for maximized accessibility. All battery cable connections to be sealed tight. Battery box to be plastic or fiberglass preferred. If box is steel it shall be plastic lined to prevent any shorting of batteries.

**COOLING SYSTEM**

All coolant hose's (including-heater) to be premium hose with constant torque stainless steel clamps.

Hose type - Gates Blue Strip Premium Rubber

Cooling system to be guaranteed to meet engine manufacturer's requirements and provide sufficient cooling for operation at full load at elevations from 2,000 to 10,000 FASL. To have 1050 square inches of frontal area minimum. To have cooling system surge tank, and coolant filter. Cooling system to be protected to -40 degrees F minimum. To have 5/16 inch or smaller mesh heavy duty radiator rock guard screen.

**ENGINE ACCESSORIES**

To have Kysor air fan clutch with on/off fan clutch with fan over-ride switch.

Front crankshaft to have adapter to accept 1350 series drive shaft. To have clearance for front P.T.O. shaft. (Radiator cut out not acceptable)

To have vertical muffler with heat shield, and 90 degree turn back. Stack cut to 12 to 18 inches above cab. Assembly to extend not more than 15 inches behind rear of cab. No exhaust component is to extend below truck frame or cab mount.

To have a minimum 16.5 cfm on Cat C-12 and DD 60 Series Engines.

To have 120 volt, 1500 minimum, watt block heater with cab mounted, covered receptacle on left side under cab door.

Engine to be equipped with factory installed and warranted compression type engine brake with 3 step control.

**CLUTCH**

To have Eaton-Spicer, heavy duty, angle spring, 15-1/2 inch ceramic faced dual plate clutch with spring dampened disks. To have 2 piece clutch brake with allen head screws for easy removal without having to be cut out with a torch for replacement.

Clutch to be equipped with an external lube line.

**TRANSMISSION**



To be RTLO 14913A transmission with "X" shift pattern. To have two each, road speed sensors, single sensors with single output.

#### REAR AXLE

Tandem design with 40,000 lb. Minimum capacity. Meritor RT40-145 or Eaton DD405 preferred. Ratio to match transmission and give top road speed of 70 to 75 MPH. To have interlock-axle differential with air operated lockout and side lock on both axles with lockout warning lights. Straight drive through design.

#### SUSPENSION

Hendrickson 54" Model "HN" suspension, rated at 40,000 lb. Minimum, with shock absorbers or approved equal.

#### DRIVE SHAFTS

Tubular drive shafts with 1810 Glide-Cote splines and strap type yokes. Inter-axle shaft to be 1710-HD Glide-Cote with strap type yokes.

#### FRONT AXLE

To be Meritor MFS 18133A or approved equal, capacity 18,000 lb minimum.  
Heavy duty double action shock absorbers. To have Stemco, oil type hub seals and Stemco oversized visible caps model 3434009.

#### FRONT SUSPENSION

Capacity 18,000 lbs. Minimum, with flat leaf springs.

#### SERVICE BRAKES

Cam brakes, 16 ½ x 6, Rockwell Q Plus or equal on front axle.  
Cam brakes, 16 ½ x 7, Rockwell Q Plus or equal on rear axle.  
Type 3030 air pots on both rear axles. To have brake dust shields.  
To have 4 channel Bendix or Meritor anti-lock brake system.

Triple air receiver tanks with manual air tank drain valves if accessible or cables to drain tanks.  
Bendix ADIP, air dryer, installed on left, behind cab, outside frame.  
Make/Model air dryer - BW AD-IP Air Dryer with Heater

To have Meritor or Eaton Haldex automatic slack adjusters.

#### PARKING BRAKE

Anchor-Loc, MGM, or approved equal, 3030 spring applied, parking brakes on both axle of tandems. If spring brakes are required on rear axle, they must be mounted such that they do not extend below center of axle housing, air chambers mounted forward of rear axle preferred.

#### STEERING SYSTEM

Make/Model - TWR TAS65 W/RCS55 Aux. Gear

#### WHEELS AND TIRES



Rear wheels - 10 hole, hub piloted, drop center, Accuride, 8.25 x 22.5. (#28487)  
Rear tires - 11R22.5, tubeless, load range (G) Michelin 11R22.5 14 ply XDHT

Front wheels - 10 hole, hub piloted, drop center, Accuride, 9 x 22.5, 9,000 lb capacity with 7 inch offset. #29039  
Front tires - Size 315/80R22/5, Michelin 315/80R22.5 20 Ply XZY1

#### TRAILER BRAKES

Air service to rear of frame with hand control in cab. Seven conductor trailer light circuit to rear.  
To be setup for two light system, stop, turn, tail, acc, and ground.  
To have sealed junction box behind the cab between the frame, Grote or Truck Light type.

#### FUEL TANK

Single 100 gallon capacity, cylindrical aluminum tank, without integral step, mounted on left side. To have aluminum safety tread steps, Bustin or approved equal with fall through design on left and right sides.  
To be mounted so that lowest step is not more than 24 inches above ground. Top step to be full length of tank. To have powered-coated or stainless steel straps and bottom brackets with stainless hardware for support.

#### FRAME

Fabricated from 110,000 psi steel. Minimum 0.4375 inches thick steel channel or 0.3125 inch channel with "C" reinforcement if necessary to achieve 2,430,000 RBM. "L" reinforcement not acceptable.  
Omit rear frame end cross member. To have 12 inches of integral front frame extension, or adequate frame extension to allow plow hitch installation.  
Frame section to be constant for full length of frame including front extension.

Yield strength - 120,000 psi  
Section - 20.25  
RBM - 2,430,000

Frame Warranty - 5 year/unlimited miles.

To have split bumper mounted and braced in normal position, (at start or rear of frame extension.)  
To have (2) tow hooks included.  
Frame to be straight through design with constant sections modules from front of frame extension to rear of frame.  
Right side to be clear of attached accessories. Underside of frame to be clear of mounted accessories.

#### CAB AND CHASSIS

To have cab air ride and cab must be large enough to accommodate 12" x 12" x 12" central hydraulic system console between seats without interfering with shifter movement. Cab width, measured inside of doors must be a minimum of 68". A minimum of 75" is preferred. Lower edge of windshield to back of cab inside dimension to be a minimum of 51 inches. To have rear cab window. Fiberglass full tilting hood with all heavy duty options.

#### To have the following items.

High output, fresh air cab heater rated at 40,000 BTU, with windshield defrosters.  
Factory installed R134A air conditioning.  
Adjustable telescoping, steering column and tilt wheel with 18" preferred steering wheel. Self canceling signal switch on column. AM/FM, cassette radio with weather band, dash mounted with (4) interior speakers.  
Right side window to be electrically operated from the drivers position.

Inside Cab Width - 77" Glass to Glass, 69.5" Door Panel to Door Panel  
Inside Front to Rear - 57"



To have tinted glass and dual 2-way interior sun visors. To have intermittent, electric windshield wipers with heavy duty, 2 speed motor and winter type blades and electric windshield washers. Windshield washer container to be mounted inside cab between seats located on back panel with a minimum of 1-1/2 gallon capacity. Interior dome light with reading lights.

Stationary bright aluminum or chrome grill and snap on winter cover. Heavy duty smoked plastic bug deflector, that conforms with hood shape. Belmore Aerowave model preferred. To have heavy duty inner fender liner extending to below center point of frame and from firewall to radiator to protect engine accessories and radiator from rocks and debris thrown from the front tires.

Turn signals front and rear, hazard warning lights, 5 amber cab markers lights, tail and stop lights.

Dual, West Coast, stainless steel heated rear view mirrors with heavy duty stainless steel bracing. Auxiliary 8 inch, heated convex stainless steel mirrors. Auxiliary turn signals to be mirror mounted or mounted on cab at approximate mirror height. Stainless steel, 10 inch, heated convex mirror on right front fender with heavy duty stainless steel bracing.

Grab handles on both sides. Air horn mounted under cab or hood protected location, or on cab top with snow shield. To have noise sensing backup alarm. (Preco 1040 or approved equal).

Six additional illuminated switches mounted in dash labeled, to control auxiliary light and accessories. Labeling will be specified with order. Switches to be ignition feed relay controlled with 20 amp breaker protection. Wired to a stud type junction block mounted inside rear of cab.

To have National 195, Cushion-N-Air II, or approved equal, air ride seat, with arm rest on driver's right hand side, with three point seat belt. To have (3) stage air lumbar, upper cushion, side bolster and lower cushion side bolsters. Drivers seat to be mounted to provide maximum available space between steering wheel and seat when seat is in rearmost position. To have 8 inch minimum seat travel Standard tool box on right side under seat, lift up seat cushion and three point seat belt. Seat to be dark colored mordura type cloth covered. (No vinyl)

Molded rubber quarter fenders forward of rear axles.

## INSTRUMENTS

Voltmeter, fuel gauge, coolant temperature gauge, exhaust pyrometer, engine oil pressure gauge, hour meter, tachometer, differential temperature gauge, engine oil temperature gauge, transmission temperature gauge, speedometer and locking air filter restriction gauge. To have inter-axle lock warning light. To have warning lights and buzzer for low air pressure, low coolant temperature and low engine oil pressure. All instruments to be dash mounted.

## PAINT

Complete unit to be painted urethane Dupont No. 82 orange. Includes all wheels, grill, cab, and bumper. No chrome or aluminum to be painted. Make and model emblems allowed but all other advertising to be omitted. Frames may be painted black.

## OPTION

Allison HD 4560P transmission, six speed of appropriate size for standard or optional engine. To have transmission cooler.



Option price: \$9,670.00

**OPTION**

Auxiliary high/low beam headlights, with turn signal, (Perlux model 10 #010234 and amber fog lights (Perlux #642614) mounted on fender with 3/16 inch stainless brackets. The center of lamp is at 72 inches minimum and approximately 80 inches above ground. Headlights and fog lights wiring to be protected "SO" type wire with weather pack type connectors.

Mounting bracket and lights to be approved before manufacturing.

Option Price: \$360.00

**OPTION**

Heavy duty cross member to support side wing plow. Bolted 5 piece stamped steel construction. With additional leaf spring on right side.

Option Price: \$77.00

**OPTION**

One COMPLETE set of replacement filters for each unit delivered to include:

Dual air filters, fuel filter, oil filter, water filter with DCA 4 unit maintenance filter.

Option Price: \$97.00

**OPTION**

Aluminum fuel tank, 90 gal., minimum with integral 30 gal minimum hydraulic tank with 2 inch minimum suction port, return port and 1 inch port for overheat/level gauge sensor fittings and 5 psi media screen cap. To have aluminum safety tread steps, fall through design. The lowest step is not more than 24 inches above ground. Tank to have powder coated or stainless steel straps and stainless steel hardware.

Option Price: \$51.00

**OPTION**

CB radio preparation, (in overhead console) to include antennae and coaxial cable RG58.

Option Price: \$13.00 Standard Radio Antenna includes CB capability with radio lead to overhead console. Overhead console has CB mounting plate & strap.

**OPTION**

Upgrade "premium" interior, to include overhead console and padded or carpeted rear cab and door panels.

Option Price: \$272.00



**DELIVERY**

DELIVERY MUST INCLUDE DEALER'S INVOICE AND A COPY OF WARRANTY.

Delivery must include an operator's manual for each unit.

Delivery must also include 8 complete sets of manuals including: operator's manual, parts list and shop (repair) manuals for all components including engine, transmission, axles and chassis etc. Cost of these manuals is to be included in the bid.

Delivery must include MSO, application for title, odometer statement, and safety inspection.

INVOICES WILL NOT BE APPROVED FOR PAYMENT UNTIL ALL OF THE REQUIRED DOCUMENTATION IS CORRECT AND MANUALS HAVE BEEN RECEIVED.

**REPORTS**

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The contractor will submit yearly usage reports to the State Purchasing Agent (Eula Neel) showing quantities and dollar volume of purchases by each agency and political subdivision.

FINET COMMODITY CODE(S):

07054000000 - TRUCKS, DIESEL (ALL CAPACITIES)

07047000000 - TRUCKS, CAB AND CHASSIS ONLY